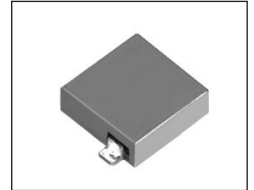


# SMT Power Inductor

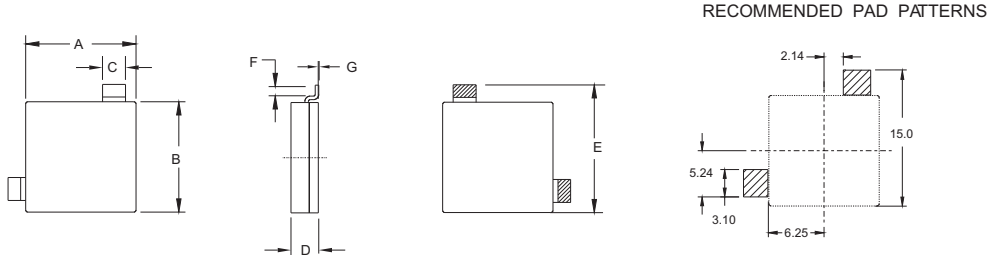
## HALO1340 Type

### Features

- RoHS compliant.
- Low profile (4.2mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



### Mechanical Dimension:

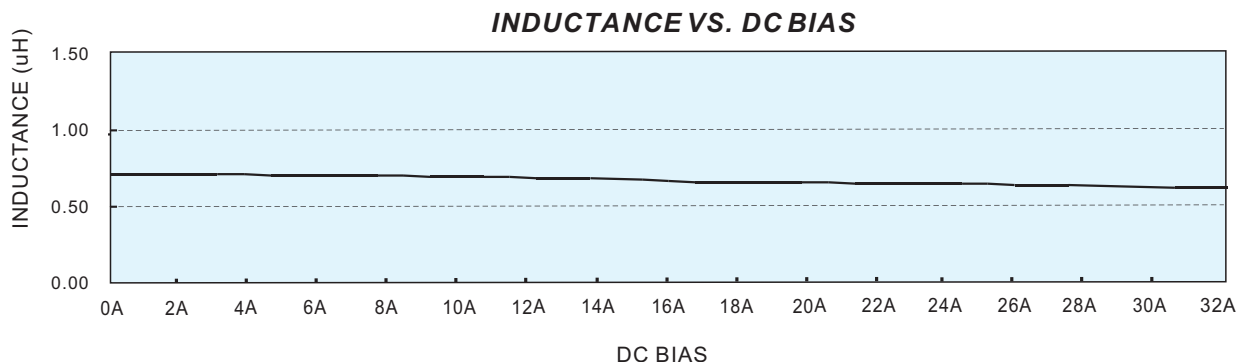


UNIT: mm / inch  
 A = 12.50±0.40 / 0.492±0.016  
 B = 12.50±0.40 / 0.492±0.016  
 C = 2.40 / 0.094 (REF)  
 D = 4.20 / 0.165 Max.  
 E = 14.80 / 0.582 (Max.)  
 F = 1.00 / 0.039 (REF)  
 G = 0.01-0.1 / 0.00039-0.0039

### Electrical Characteristics: At 25°C: 100KHz, 1.0V

PART NO.	Lo <sup>1</sup> (uH)	Li (uH) ±20%	DCR (mΩ) MAX	Isat <sup>2</sup> (A <sub>dc</sub> )	I <sub>rms</sub> <sup>3</sup> (A <sub>dc</sub> )
HALO1340-0R3	0.3	0.25	1.80	38	36
HALO1340-0R7	0.7	0.60	2.50	32	26
HALO1340-1R2	1.2	1.00	3.45	20	24
HALO1340-2R0	2.0	1.70	4.35	15	22

1. Lo is the initial inductance.
2. Isat is the DC current which cause the inductance drop to Li.
3. I<sub>rms</sub> is the DC current which cause the surface temperature of the part increase less than 45°C.
4. Operating temperature : -20°C to 105°C ( including self-temperature rise ).



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